

REMARKS

Applicant respectfully requests reconsideration of this application as amended. Claims 1-4, 6, 7, 8, 15 and 17-20 are pending in the application. Claims 1, 2, 9, and 20 have been amended. Claims 21-30 have been added. Claims 4, 6, 7, 15, and 17-19 have been cancelled.

The Examiner rejected claims 18-19 under 35 U.S.C. § 101 because the claimed invention is directed to non-statutory matter. Applicant has cancelled Claims 18 and 19 without prejudice. Therefore, Applicant respectfully submits that the rejection under 35 U.S.C. § 101 is moot.

The Examiner rejected claims 1-3 and 17-20 under 35 U.S.C. § 102(b) as being anticipated by Fukuhara et al (U.S. Publication No. US 2001/0028404). Applicant respectfully disagrees.

Claim 1 as amended is as follows:

An image processing apparatus, comprising:
a compressing unit to compress and encode image data of a static image in accordance with a JPEG 2000 algorithm and generate first code data;
a storing unit to store the first code data that is compressed by the compressing unit; and
a code sequence converting unit to convert the first code data being stored by the storing unit into second code data in conformity with Motion JPEG 2000,
wherein the code sequence converting unit comprises:
a dividing unit to divide the first code data into a header portion and a code portion;
a setting unit to set the header portion and the code portion to be integrated into the second code data;
a header processing unit to change size of the header portion to be an image size after being integrated, and generate a new tile part header; and
a synthesizing unit to synthesize data processed by the header processing unit to be the second code data in conformity with Motion JPEG 2000.

As set forth above, Claim 1 as amended sets forth an image processing apparatus that includes a code sequence converting unit that includes a dividing unit to divide the first code data

into a header portion and a code portion, a setting unit to set the header portion and the code portion to be integrated into the second code data, a header processing unit to change size of the header portion to be an image size after being integrated, and generate a new tile part header, and a synthesizing unit to synthesize data processed by the header processing unit to be the second code data in conformity with Motion JPEG 2000. Applicant respectfully submits that Fukuhara does not disclose such a code sequence converting unit.

More specifically, Fukuhara discloses to change a Signature Box in each of various boxes showing a file format defined JPEG 200 standard to a Wignature Box for the Motion JPEG 2000 standard. Fukuhara also discloses a box of an entirely code picture, a code picture rate, or mode information of a frame/field code for an interlace image, and additionally provide a picture number to a code bit stream for each picture with respect to successive plural pictures. In essence, Fukuhara simply discloses a standard configuration of a code stream of JPEG 2000.

Fukuhara does not disclose a code sequence converting unit that includes a dividing unit to divide the first code data into a header portion and a code portion, a setting unit to set the header portion and the code portion to be integrated into the second code data, a header processing unit to change size of the header portion to be an image size after being integrated, and generate a new tile part header, and a synthesizing unit to synthesize data processed by the header processing unit to be the second code data in conformity with Motion JPEG 2000. In view of this, Applicant respectfully submits that Claim 1 is not anticipated by Fukuhara.

The Examiner rejected claim 4 under 35 U.S.C. § 103(a) as being unpatentable over Fukuhara et al. in view of Takahashi et al. (U.S. Patent No. 6,005,623). The Examiner rejected claim 6-7 under 35 U.S.C. § 103(a) as being unpatentable over Fukuhara et al. in view of Joshi et al. (U.S. Patent No. 6,785,423). The Examiner rejected claim 15 under 35 U.S.C. § 103(a) as being unpatentable over Fukuhara et al. in view of Wakimoto et al. (U.S. Patent No. 6,571,052).

Applicant has cancelled Claims 4, 6, 7 and 15 without prejudice. Therefore, these rejections are moot.

The Examiner rejected claim 9 under 35 U.S.C. § 103(a) as being unpatentable over Fukuhara et al. in view of Joshi et al. and further in view of McGrath (U.S. Patent No. 4,115,693). As set forth above, Fukuhara does not disclose a code sequence converting unit that includes a dividing unit to divide the first code data into a header portion and a code portion, a setting unit to set the header portion and the code portion to be integrated into the second code data, a header processing unit to change size of the header portion to be an image size after being integrated, and generate a new tile part header, and a synthesizing unit to synthesize data processed by the header processing unit to be the second code data in conformity with Motion JPEG 2000. McGrath does not overcome this deficiency. That is, McGrath does not disclose a code sequence converting unit that includes a dividing unit to divide the first code data into a header portion and a code portion, a setting unit to set the header portion and the code portion to be integrated into the second code data, a header processing unit to change size of the header portion to be an image size after being integrated, and generate a new tile part header, and a synthesizing unit to synthesize data processed by the header processing unit to be the second code data in conformity with Motion JPEG 2000. In view of this, Applicant respectfully submits that the present invention as claimed is not obvious in view of Fukuhara and McGrath.

Applicant has added Claims 21-30. These claims include very similar to Claims 1-3 and 9 except they are method and article of manufacture claims. Therefore, for the same reasons given above, Applicant respectfully submits that Claims 21-30 are in condition for allowance.

Accordingly, Applicants respectfully submit that the rejections to the claims have been overcome by the amendments and the remarks and withdrawal of these rejections is respectfully

requested. Applicants submit that Claims 1-3, 9, and 20 as amended and Claims 21-30 as added are in condition for allowance and such action is earnestly solicited.

If there are any additional charges, please charge Deposit Account No. 02-2666 for any fee deficiency that may be due.

Respectfully submitted,

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